



INDIAN INSTITUTE OF TECHNOLOGY BOMBAY

MATERIALS MANAGEMENT DIVISION

PR No. 100021678

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Technical Specification for Fluorescence Activated Cell Sorting (FACS) (Cytometer) device

Cytometer should have following Specifications –

1. System should be a bench-top flow-cytometer with two lasers (blue 488nm, red 638nm)
2. All lasers and their excitation-optics should be high quality
3. System must have auto-compensation as well as manual compensation (software based)
4. System should be able to detect nano-particle to large cells (0.5micron-30micron cells)
5. System should be able to acquire at least 10,000 events or more per second
6. System should have high capabilities in high-throughput in resolving low intensity fluorescence/antigens
7. The flow rates should be such that support high-throughput assays.
8. Volumetric Beadless counting option should be available with machine for better accuracy & and precision in cell counting.
9. System should be provided with laptop/desktop uploaded with software capable of performing various analysis.
10. System should be provided with multiple software licenses/ analysis softwares.
11. One year warranty should be provided with the system.